

TOOL NO.	ILLUSTRATION	DESCRIPTION
<b>CLUTCH</b> Includes Drive-Axis		
J 448-S		Clutch
J 449		Clutch
J 449		Clutch
J 472		Clutch
J 485-A		Clutch
J 774		Clutch
KMO 670		Clutch

TOOL NO.	ILLUSTRATION	DESCRIPTION
<b>BRAKES</b> Includes Hydraulic		
J 124		Brake
J 628-A		Brake
J 713		Brake
J 1028		Brake
J 2795		Brake
KMO 142		Brake
KMO 145		Brake
KMO 479		Brake
KMO 486		Brake
KMO 505		Brake
KMO 598		Brake
KMO 638		Brake
KMO 734		Brake

TOOL NO.	ILLUSTRATION	DESCRIPTION
<b>ENGINE</b>		
J 1218		Engine
J 1654		Engine
J 1856		Engine
J 1953		Engine
J 2153		Engine
J 2679		Engine

TOOL NO.	ILLUSTRATION	DESCRIPTION
<b>TRANSMISSION</b>		
J 830		Transmission
J 877		Transmission
J 1134-H		Transmission
J 1499		Transmission
J 1568		Transmission
J 1569		Transmission
J 1570		Transmission
J 1571		Transmission

TOOL NO.	ILLUSTRATION	DESCRIPTION
<b>REAR AXLE</b>		
J 2159		Rear Axle
J 2637		Rear Axle
J 2639		Rear Axle
J 2641		Rear Axle
J 2643		Rear Axle
J 2644		Rear Axle
J 2645		Rear Axle
J 2646		Rear Axle
J 2647		Rear Axle
J 2943		Rear Axle
J 2944		Rear Axle
J 2971		Rear Axle
K 224		Rear Axle

TOOL NO.	ILLUSTRATION	DESCRIPTION
<b>FRONT SUSPENSION</b>		
J 479-A		Front Suspension
J 544-A		Front Suspension
J 624-H		Front Suspension
J 710-O		Front Suspension
J 739-C		Front Suspension
J 751-A		Front Suspension
J 800-U		Front Suspension
J 990		Front Suspension
J 1052		Front Suspension

# Hudson

## SERVICE TOOL GUIDE



### KENT-MOORE ORGANIZATION, INC.



# ILLUSTRATED TOOL GUIDE NO. 1

## HUDSON

### SERVICE TOOLS








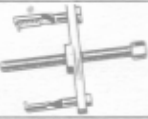


This Guide provides a handy source of service tool information. It will also serve as a convenient inventory check list and guide for ordering service tools not on hand.

Retain this Guide for future reference. Use the accompanying Price List and Order Blank form for ordering purposes. We will include a replacement Price List and Order Blank when receipt of your order is acknowledged.















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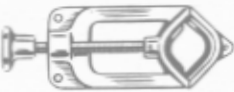







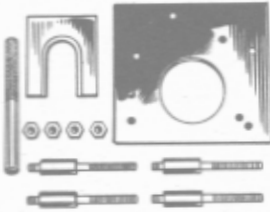






Form No. 49-46
















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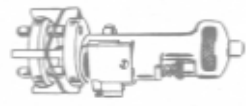









TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>ENGINE</b>					
<i>Includes Engine Tune-Up, Cooling System, Electrical and Fuel System</i>					
HM 3-R		Connecting Rod Bending Iron	All Models		
J 89		Engine Vacuum Checking Gauge	All Models		
J 129-2		Valve Stem Guide Reamer (11/32")	All Models 1938-49 Inc.		
J 129-3		Valve Stem Guide Reamer (3/8")	All Models 1936-37 Inc.		
J 267		Valve Stem Guide Remover (11/32")	All Models 1938-49 Inc.		
J 269		Valve Stem Guide Remover (3/8")	All Models 1936-37 Inc.		
J 377		Main Bearing Cap Remover	Replaced by J 2955 All Models 1935-47 Inc.		
J 471		Crankshaft Gear Puller	All Models 1933-49 Inc.		
J 478-A		Valve Tappet Feeler Gauge	All Models 1935-49 Inc.		
J 483		Crankshaft Gear and Vibration Damper Replacer	All Models 1933-49 Inc.		













TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>ENGINE—Continued</b>					
<b>J 587-A</b>		Valve Spring Inserter	All Models 1935-47 Inc. 8 Cyl. 1948-49 Inc.		
<b>J 676-C</b>		Vibration Damper Puller	All Models 1936-49 Inc.		
<b>J 708-A</b>		Radiator Flusher	All Models		
<b>J 742</b>		Piston Pin Driver	All Models 1936-47 Inc. 8 Cyl. 1948-49 Inc.		
<b>J 744</b>		Distributor Rotor Puller	All Models		
<b>J 819-F</b>		Engine Tune-Up Kit	All Models		
<b>J 874-X</b>		<b>Connecting Rod and Piston Aligner</b> Includes: Aligner Assembly • Piston and Piston Pin Aligning Indicator • Choice of any one available connecting rod arbor listed below—specify size and part number.	All Models		
<b>J 874-7</b>		Piston Pin Locating Arbor	All Models		
<b>J 874-10</b>		Piston Pin Bushing Reamer Guide	All Models		
<b>J 874-11</b>		Piston "Vee" Block	All Models		
<b>J 874-16</b>		Piston Pin Bushing Reamer (.750")	All Models 1936-47 Inc. 8 Cyl. 1948-49 Inc.		
<b>J 874-56</b>		Connecting Rod Aligning Arbor (1.9375" and 2.250")	All Models 1936-49 Inc.		
<b>J 883-B</b>		Valve Stem Guide Replacer Set	All Models 1938-49 Inc.		
<b>J 888</b>		Piston Feeler and Scale	All Models 1936-49 Inc.		
















TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>ENGINE—Continued</b>					
J 1218		Piston Vise	All Models		
J 1454		Oil Check Valve Remover and Replacer	All Models 1933-47 Inc. 8 Cyl. 1948-49 Inc.		
J 1856		Distributor Point Feeler Gauge	All Models 1936-49 Inc.		
J 1953		Valve Spring Lock Installer	All Models 6 Cyl. 1948-49 Inc.		
J 2153		Tight Valve Remover	All Models 1933-49 Inc.		
J 2679		Remote Control Starter Switch	All Models		
J 2749		Water Pump Bushing Remover, Burnisher and Replacer Set	All Models 1936-47 Inc.		
J 2776		Timing Gear Cover Oil Seal Remover and Installer Set (Use with J 872-5 Handle)	All Models 1933-49 Inc.		
J 2778		Water Pump Holding Fixture	All Models 1948-49 Inc.		
J 2779		Main Bearing Packing Compressor	All Models 6 Cyl. 1948-49 Inc.		
J 2782		Engine Lift Bracket	All Models 1948-49 Inc.		
J 2789		Piston Pin Remover and Installer	All Models 6 Cyl. 1948-49 Inc.		
J 2790		Piston Pin Bushing Remover and Replacer	All Models 6 Cyl. 1948-49 Inc.		
J 2791		Piston Pin Bushing Broach and Burnisher	All Models 6 Cyl. 1948-49 Inc.		
J 2793		Water Jacket Plug Installer	All Models 6 Cyl. 1948-49 Inc.		

TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>ENGINE—Continued</b>					
<b>J 2794</b>		Oil Pump and Distributor Timing Gauge	All Models 6 Cyl. 1948-49 Inc.		
<b>J 2948</b>		Piston Pin Bushing Remover and Replacer	All Models 1936-47 Inc. 8 Cyl. 1948-49 Inc.		
<b>J 2949</b>		Piston Pin Bushing Burnisher	All Models 1936-47 Inc. 8 Cyl. 1948-49 Inc.		
<b>J 2950</b>		Piston Pin Bushing Burnisher Block	All Models 6 Cyl. 1948-49 Inc.		
<b>J 2951</b>		Piston Pin Bushing Burnisher Block	All Models 1936-47 Inc. 6 Cyl. 1948-49 Inc.		
<b>J 2955</b>		Main Bearing Cap Remover	All Models 1935-49 Inc.		
<b>J 2969</b>		Cylinder Head and Transmission Installing Pins (2)	All Models 6 Cyl. 1948-49 Inc. For Transmission All Models		
<b>J 5091</b>		Gas-Per-Mile Gauge (Mileage Tester) Complete with Hoses and Fittings	All Models		
<b>KMO 122</b>		Valve Stem Guide Cleaner	All Models		
<b>KMO 144</b>		Fuel Pump Tester—Sun	All Models		
<b>KMO 213</b>		Compression Gauge—Sun	All Models		
<b>KMO 230</b>		Distributor Cap Terminal Cleaner	All Models		
<b>KMO 297-H</b>		Piston Ring Expander—3-9/16"	All Models 6 Cyl. 1948-49 Inc.		
<b>KMO 297-L</b>		Piston Ring Expander—3"	All Models 1935-47 Inc. 8 Cyl. 1948-49 Inc.		
<b>KMO 318</b>		Power Timing Light—Sun	All Models		








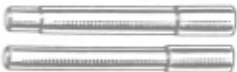







TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>ENGINE—Continued</b>					
KMO 357		Piston Inserter (2 1/8" to 5")	All Models		
KMO 484		Valve Spring Lifter	All Models		
KMO 486		Stud Wrench	All Models		
KMO 505		Battery Terminal Brush	All Models		
KMO 598		Cooling System Leak Detector	All Models		
KMO 638		Cylinder Ridge Cutter (Range 2.6" to 4.7")	All Models		
KMO 734		Main Bearing Insert Remover	All Models 6-Cyl. 1948-49 Inc.		
KMO 913		Cylinder Checking Gauge (Range 2 1/2" to 6")	All Models		
KMO 7004		Carbon Removing Brush	All Models		
<b>CLUTCH—TRANSMISSION</b>					
<i>Includes Drive-Master, Overdrive and Shifting System</i>					
J 448-5		Mainshaft Intermediate Gear Retainer Replacer	All Models 1933-40 Inc.		
J 449		Clutch Aligning Arbor	All Models		
J 466		Countershaft Line Reamer	All Models 1933-40 Inc.		
J 472		Clutch Filler Plug Wrench	All Models 1933-49 Inc.		
J 485-A		Clutch Filler Gun (Superseded by KMO 1026-A)	All Models 1933-49 Inc.		
J 774		Clutch Finger Adjusting Gauge	All Models 1933-49 Inc.		














TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>CLUTCH—TRANSMISSION—Continued</b>					
<b>J 820</b>		Universal Joint Companion Flange Puller	All Models 1933-49 Inc.		
<b>J 877</b>		Clutch Pilot Bearing Puller	All Models 1936-49 Inc.		
<b>J 1134-H</b>		Mainshaft and Drive Gear Bearing Remover	All Models 1941-49 Inc.		
<b>J 1499</b>		Transmission Mainshaft Snap Ring Installing Set	All Models 1940-47 Inc.		
<b>J 1568</b>		Overdrive Gear Bushing Remover and Replacer	All Models 1941-47 Inc.		
<b>J 1569</b>		Main Drive Gear Oil Seal Replacer	All Models 1941-49 Inc.		
<b>J 1570</b>		Mainshaft and Drive Gear Bearing Replacer	All Models 1941-49 Inc.		
<b>J 1571</b>		Indexing Tool for Shifter Fork	All Models 1941-47 Inc.		
<b>J 1572</b>		Countershaft Gear Cluster and Idler Gear Bushing Replacer	All Models 1941-49 Inc.		
<b>J 1597</b>		Overdrive Aligning Pilot	All Models 1941-47 Inc.		
<b>J 2169</b>		Transmission Mainshaft Bearing Remover	All Models 1933-40 Inc.		
<b>J 2956</b>		Clutch Over-Center Spring Remover and Installer	All Models 1939-49 Inc.		
<b>KMO 338</b>		Countershaft Gear Cluster and Idler Gear Bushing Reamer	All Models 1941-47 Inc.		
<b>KMO 369</b>		Governor Switch Spanner Wrench	All Models 1942-47 Inc.		
<b>KMO 607</b>		Valve and Clutch Spring Tester (Use with Tension Wrench)	All Models		
<b>KMO 630</b>		Transmission Snap Ring Pliers	All Models		
















TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>CLUTCH—TRANSMISSION—Continued</b>					
<b>KMO 670</b>		Drive Master Test Harness	All Models 1942-49 Inc.		
<b>REAR AXLE</b> <i>Includes Universal, Differential, Axle Shaft, Etc.</i>					
<b>J 270-H</b>		Pinion Bearing Cup Replacer	All Models 1933-47 Inc.		
<b>J 352</b>		Rear Axle Shaft Puller	All Models 1933-49 Inc.		
<b>J 358-H</b>		Axle and Pinion Shaft Bearing Remover and Replacer Set	All Models 1933-47 Inc.		
<b>J 358-1</b>		Press Plate Holder Only (Part of J 358-H)	All Models 1933-49 Inc.		
<b>J 446</b>		Rear Wheel Hub Puller	All Models 1933-35 Inc.		
<b>J 736-A</b>		Rear Wheel Hub Puller	All Models 1936-49 Inc.		
<b>J 872-5</b>		Bearing Cup and Oil Seal Driver Handle Only	All Models 1933-49 Inc.		
<b>J 881-A</b>		Universal Joint Assembly Tool	All Models 1936-49 Inc.		
<b>J 943</b>		Rear Axle Drive Shaft Oil Seal Remover	All Models 1933-49 Inc.		
<b>J 945</b>		Differential Carrier Holding and Assembling Fixture	All Models 1933-49 Inc.		
<b>J 972</b>		Differential Bearing Adjusting Nut Wrench	All Models 1933-49 Inc.		
<b>J 1301</b>		Pinion Bearing Remover Plate (9 tooth)	All Models 1939-47 Inc.		
<b>J 1535</b>		Pinion Bearing Remover Plate (8 tooth)	All Models 1939-47 Inc.		
<b>J 2158</b>		Differential Side Bearing Remover	All Models 1933-49 Inc.		



TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>REAR AXLE—Continued</b>					
J 2159		Rear Axle Drive Shaft Oil Seal Replacer	All Models 1941-49 Inc.		
J 2637		Companion Flange Holding Tool	All Models 1934-49 Inc.		
J 2639		Pinion Front Bearing Cone and Oil Seal Replacer	All Models 1948-49 Inc.		
J 2640		Pinion Rear Bearing Cone Remover For Use with J 358-1	All Models 1948-49 Inc.		
J 2641		Axle Shaft Bearing Cone Remover For Use with J 358-1	All Models 1948-49 Inc.		
J 2643		Pinion Rear Bearing Cone Replacer	All Models 1948-49 Inc.		
J 2644		Pinion Front Bearing Cup Remover (Use with J 872-5 Handle)	All Models 1948-49 Inc.		
J 2645		Pinion Rear Bearing Cup Remover (Use with J 872-5 Handle)	All Models 1948-49 Inc.		
J 2646		Differential Bearing Cone Replacer	All Models 1948-49 Inc.		
J 2647		Pinion Oil Seal Remover	All Models 1948-49 Inc.		
J 2943		Pinion Front Bearing Cup Replacer (Use with J 872-5 Handle)	All Models 1948-49 Inc.		
J 2944		Pinion Rear Bearing Cup Replacer (Use with J 872-5 Handle)	All Models 1948-49 Inc.		
J 2971		Companion Flange Nut Socket Wrench	All Models 1948-49 Inc.		
K 224		Pinion Bearing and Front Wheel Bearing Cup Remover	All Models 1933-47 Inc.		
<b>STEERING—FRONT SUSPENSION</b> <i>Includes Alignment, Front Axle and Steering Gear</i>					
HM 844-C		Outer Tie Rod End Remover	All Models 1933-47 Inc.		

TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>STEERING—FRONT SUSPENSION—Continued</b>					
<b>J 479-A</b>		Pivot Pin Remover Set	All Models 1933-49 Inc.		
<b>J 544-A</b>		Steering Gear Checking Scale	All Models		
<b>J 624-H</b>		Steering Arm Ball Stud Screw Press	All Models 1940-47 Inc.		
<b>J 710-O</b>		Toe-In Gauge	All Models		
<b>J 739-C</b>		Steering Wheel Puller	All Models 1933-49 Inc.		
<b>J 751-A</b>		Turning Angle Indicators (2)	All Models		
<b>J 800-U</b>		Jiffy Wheel Aligner	All Models		
<b>J 990</b>		Pivot Pin Bushing Remover and Replacer	All Models 1937-49 Inc.		
<b>J 1052</b>		Knuckle Support Arm Spreader	All Models 1940-49 Inc.		
<b>J 1360</b>		Upper Support Arm and Pivot Gauge	All Models 1940-49 Inc.		
<b>J 1373</b>		Steering Arm Remover	All Models 1933-49 Inc.		
<b>J 1374</b>		Pitman Arm Puller	All Models 1936-49 Inc.		
<b>J 1442</b>		Steering Arm Centering and Toe-In Gauge	All Models 1940-47 Inc.		
<b>J 1860</b>		Upper Support Arm Spreader	All Models 1940-49 Inc.		
<b>J 1861</b>		Drive-Master Power Unit and Cross Shift Rod Gauge	All Models 1942-47 Inc.		

TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>STEERING—FRONT SUSPENSION—Continued</b>					
<b>J 2781</b>		Tie Rod End Remover	All Models 1933-49 Inc.		
<b>J 2792</b>		Jacket Tube Bearing Puller	All Models 1948-49 Inc.		
<b>J 2952</b>		Jacket Tube Bearing Replacer	All Models 1948-49 Inc.		
<b>J 2953</b>		Steering Arm Centering and Toe-In Gauge	All Models 1948-49 Inc.		
<b>KMO 366</b>		Upper Support Arm Eccentric Bushings Wrench	All Models 1942-49 Inc.		
<b>KMO 738</b>		Pitman Arm Nut Wrench	All Models 1940-49 Inc.		
<b>BRAKES</b>					
<i>Includes Hydraulic Cylinders, Brake Springs and Shoes</i>					
<b>J 134</b>		Brake Pedal Depressor	All Models 1933-49 Inc.		
<b>J 627</b>		Brake Bleeder Wrench	All Models 1936-49 Inc.		
<b>J 628-A</b>		Brake Bleeder Drain Tube	All Models 1936-49 Inc.		
<b>J 713</b>		Brake Master Cylinder Refiller	All Models		
<b>J 1028</b>		Brake Shoe Adjuster	All Models		
<b>J 2795</b>		Brake and Clutch Pedal Rod Remover	All Models 1941-49 Inc.		
<b>KMO 142</b>		Brake Spring Pliers	All Models		
<b>KMO 145</b>		Brake Cylinder Clamp Set (4)	All Models		
<b>KMO 479</b>		Brake Shoe Feeler Gauge	All Models 1936-47 Inc.		



TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>BRAKES—Continued</b>					
KMO 526		Brake Spring Remover and Installer	All Models with Bendix Brakes		
<b>SPRINGS—SHOCK ABSORBERS</b>					
J 595		Spring Cover Lubricator Clamp	All Models		
J 993-2		Shock Absorber Spanner Wrench	All Models 1936-47 Inc. Also Heavy Scale Shocks 1948-49		
KMO 1026-A		Oil Injector	All Models		
<b>GENERAL</b>					
B 182-A		Body Cement Gun	All Models		
J 978		Tube Flaring Tool	All Models		
J 1264		Tension Wrench (0-200 Ft. Lbs.)	All Models		
J 1313-A		Tension Wrench (0-150 Ft. Lbs.)	All Models		
J 1315		Tension Wrench (0-25 Ft. Lbs.)	All Models		
J 1871		Radio Set Mounting Nut Wrench	All Models 1937-47 Inc.		
J 2185		Tube Flaring Tool Set ( $\frac{1}{4}$ "—45 Degrees)	All Models		
J 2185-24		Tube Deburring Tool	All Models		
KMO 3-A		Copper Tube Cutter	All Models		

TOOL NO.	ILLUSTRATION	DESCRIPTION	MODEL APPLICATION	ON HAND	ORDERED
<b>GENERAL—Continued</b>					
<b>KMO 30</b>		Dial Indicator Set	All Models		
<b>KMO 30-B</b>		Dial Indicator Only	All Models		
<b>KMO 30-F</b>		Dial Indicator Hole Attachment	All Models		
<b>KMO 30-G</b>		Dial Indicator Clamp	All Models		
<b>KMO 30-K</b>		Dial Indicator Sleeve	All Models		
<b>KMO 65-8</b>		Screw and Bolt Holder	All Models		
<b>KMO 436-1</b>		Micrometer 0" to 1"	All Models		
<b>KMO 436-2</b>		Micrometer 1" to 2"	All Models		
<b>KMO 436-3</b>		Micrometer 2" to 3"	All Models		
<b>KMO 436-4</b>		Micrometer 3" to 4"	All Models		
<b>KMO 605</b>		Adjustable Car Stands (2)	All Models		
<b>KMO 629</b>		Tension Wrench (0-50 Ft. Lbs.)	All Models		
<b>KMO 671</b>		Sheet Metal Cutter (With Extra Blade)	All Models		
<b>KMO 692</b>		Tension Wrench Adapter	To Adapt 1/2" Drive Tension Wrenches to 3/8" Drive		
<b>KMO 720</b>		Copper Hammer (2 Lbs.)	All Models		
<b>N 383</b>		Brass Drift (10" x 3/4")	All Models		



*Use the right tool . . .  
Use the tool right*



**KENT-MOORE ORGANIZATION  
INC.**

ENGINEERS AND MANUFACTURERS OF SERVICE TOOLS AND EQUIPMENT  
Executive Offices: GENERAL MOTORS BLDG. • DETROIT 2, MICHIGAN  
Factories and General Offices: JACKSON, MICHIGAN

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